

M30546 02-3

U.S. EPA-Region VIII

DATA SHEET AND GUIDANCE FOR NATIONAL CORRECTIVE ACTION PRIORITIZATION SYSTEM (NCAPS)

(version as of 10/27/97)

Facility Name: ASARCO		RCRA ID#: MT	D 006 230 346	
	GROUND WA'	TER PATHWAY		
L WASTE CHARACTERISTICS			27.5.5 Shares - Shares	
	breenid			
A. Contaminant of Concern: Arsenic. Toxicity/Persistence: 0, 3, 6, 9, 12, 15, 18. (Taken from Toxicity Table, water column)				
	9, 12, 13, 10. (1 ancil 1	Holli Toxicity Table, w	ater commin	
B. Quantity (yd3 or tons):	Т			
if known:		if not l	known:	
1-10 = 1		likely to be small $(<10) = 1$		
11-62 = 2		inoiy to oc or	пап (-10) – 1	
63-125 = 3				
126-250 = 4	likely to be large (100-1000) = 4			
251-625 = 5		likely to be large (100-1000) = 4		
626-1250 = 6				
1251-2500 = 7			4	
1231-2300 = 7 >2500 = 8	lore		(>2500) am ==000h+ = 0	
			as (>2500) are present = 8	
Waste Character	ristics (WC) subscore:	: WC=A+B= <u>△</u> ⊌	(Range = 1 to 26)	
IL PATHWAY:				
A. Observed Release: no = 0; p	ossible = 10 ; yes = 45 .	If yes (45), skip poter	ntial release, proceed to targets.	
B. Potential Release (if A = 0 or	10):			
1. Depth to Aquifer:	2. Net Pr	ecipitation	3. Physical State	
> 150' = 0	< -10" = 0		Stable Solid = 0	
76-150' = 2		: +5" = 2	Unstable Solid = 1	
21-75' = 4			Powder, Ash = 2	
0-20' = 6	+5 to +15" = 4 > +15" = 6		Liquid, Gas, Sludge = 3	
C. Containment: very good = 0;	good = 1; $fair = 2$; $poole = 1$	oor = 3		
Pathway (P) subsc	core: Range = 0 to 45,	using either Observed	or Potential Release:	
if Observed Release (A = 45), then P = 45;		if Potential Release (A = 0 or 10), then $P = A + [(B1+B2+B3) \times C] = \underline{\qquad}$, max of 45		
III. TARGETS:				
A. Ground Water Use:		B. Distance to intake (miles)		
Quality not impacted =	- n		> 3 = 0	
Quality not impacted = 0 Quality impacted = 2		> 2 to 3 = 1		
· · · · · · · · · · · · · · · · · · ·		> 2 to 3 = 1 > 1 to 2 = 2		
Agriculture or industry = 3		$\frac{1}{12}$ to $\frac{1}{2} = \frac{3}{2}$		
Possible drinking water = 4 Drinking water = 5		(< 1/2 = 4)		
Targets (T) subscore: $T = A^2 + B^2 = 36$ (Range = 0 to 41; if A or B = 0, then T = 0.)				
IV. TOTAL GWPATHWAY SCORE		E		
IV, IUIAL ON IAILUAI SCORE	2 SRM = (MC VI VI)	/4/9.1 Naug	C - U IO TOO	

1.1	AIR PATHWAY			
L WASTE CHARACTERISTICS				
	Toxicity Table, air column. Multiply table value (0, 1, 2, 3) by 3 to convert to			
B. Quantity (yd3 or tons):				
if known:	if not known:			
1-10 = 1 11-62 = 2	likely to be small (<10) = 1 likely to be large (100-1000) = 4			
63-125 = 3 126-250 = 4 251-625 = 5 626-1250 = 6				
1251-2500 = 7				
>2500 = 8	large storage/disposal areas (>2500) are present = 8			
Waste Characteristi	cs (WC) subscore: WC = $A + B = 11$ (Range = 1 to 17)			
II. PATHWAY:				
A. Observed Release:				
2. Air Operating Permit: no = 0	skip potential release, proceed to targets. y; yes = 5 complaints: no = 0; yes = 10			
B. Potential Release (if A1 = 0):				
Can contaminants migrate to				
C. Containment:				
very good = 0; good = 1; fair = 2; poor $\left(= 3 \right)$				
	Range = 45 for Observed Release, 0 to 24 for Potential Release ole to max score without Observed Release)			
if Observed Release (A = 45), then P = 4	5; if Potential Release (A1 = 0), then P = A2 + A3 + (B x C) = 2 1, max of 24			
IIL TARGETS:				
A. Population:	B. Distance to Sensitive Environment (miles):			
Residences within 4 miles = 25	/ I			
Other industries within 4 miles	,			
Agricultural lands within 4 miles Any other situation = 10	$= 15$ $\frac{1/2 \text{ to } 1 = 4}{\sqrt{1/2 = 6}}$			
	subscore: $T = A + B = 31$ (Range = 10 to 31)			
IV. TOTAL AIR PATHWAY SCORE: Sa				
IV. TOTAL ALKTATIWAT SCORE: 58				

11 × 24 × 31

10/2/10 maloh,

ON-SITE PATHWAY

I. WASTE CHARACTERISTICS

A. Contaminant of Concern: _______

Toxicity/Persistence: 0, 1, 2(3.) Taken directly from Toxicity Table, air column; no conversion.

B. Quantity (yd3 or tons): not considered

Waste Characteristics (WC) subscore: $WC = A = \frac{3}{2}$ (Range = 0 to 3)

IL PATHWAY:

A. Observed Soil Contamination:

no = 0; yes = 25

B. Potential Release - Site Access:

inaccessible = 0; limited access = 2; unlimited access = 4

C. Containment:

very good = 1; good = 2; fair = 3; poot = 4

Pathway subscore (P): range = 0 - 100, but score is very low without observed contamination:

if Access (B) = 0, then P = A =____

if Access (B) = 2 or 4, then P = (A + C) (max of 25) x B = 45

III. TARGETS:

A. Distance to Residential Areas (miles):

> 1 = 0 > 1/2 to 1 = 2 1/4 to 1/2 = 4 (1/4 = 6) B. Sensitive Environment on-site:

$$no = 0$$

$$yes = 1$$

Targets (T) subscore: T = A + B = 7 (Range = 0 to 7)

IV. TOTAL ON-SITE PATHWAY SCORE: Sos = WC x P x T/21 = GRange = 0 to 100)

3×26+

TOTAL FACILITY SCORE (Sm)

The equation is a root-mean-square of the 4 pathway scores:

RANKING FACILITIES UNDER NCAPS;

High $Sm \ge 52$; for $Sgw \ge 71$: or $Ssw \ge 63$, or $Sa \ge 53$; or $Sos \ge 71$

Medium: $Sm \ge 25$, < 52

Low: Sm < 25

Circle the appropriate rank.